Voron 2.4 Printed Parts List

https://gist.github.com/cmidgley/10423bbae72dacb02c46926f60acb7d2

List of parts to print for Voron 2.4 organized by the Assembly Manuals order of assembly, allowing for just-in-time printing of parts while building the printer. Configuration is standard Voron 2.4 (Afterburner Direct Feed, DIN rail mounts) with choices for E3D, Dragon or Mosquito hot ends on a 250mm, 300mm or 350mm frame. No parts for the drag chain are included, as often these are purchased parts rather than printed.

Names of the sections (such as `Gantry/X_Axis/XY Joints`) match the name of the STL directory that contains the prints. Note that Voron Design uses filenames starting with `[a]_` at the start of a filename to indicate parts that can be printed in an accent color.

Credit to krobertson for making a Gist of all parts. This Gist is a modified version of that list, organized by order of assembly, removed parts that don't need printing, identified parts that are optional or specific to a build, and fixed a few incorrect part listings.

Frame (page 10)

Tools

```
[  ]  [  ]   rail_installation_guide_center_x2.stl
```

Z Drive Assembly (page 18)

Z_Drive

```
[  ]  [  ]   [a]_belt_tensioner_a_x2.stl
[  ]  [  ]   [a]_belt_tensioner_b_x2.stl
[  ]  [  ]   [a]_z_drive_baseplate_a_x2.stl
[  ]  [  ]   [a]_z_drive_baseplate_b_x2.stl
[  ]  [  ]   z_drive_main_a_x2.stl
[  ]  [  ]   z_drive_main_b_x2.stl
[  ]  [  ]   z_drive_retainer_a_x2.stl
[  ]  [  ]   z_drive_retainer_b_x2.stl
[  ]  [  ]   z_motor_mount_a_x2.stl
[  ]  [  ]   z_motor_mount_b_x2.stl
```

Z_Idlers

There are two different GT20 20T pully files; only one set of them should be printed

```
[  ]  [  ]  [  ]  [  ]   [a]_z_tensioner_x4_6mm.stl <- select one vvv (6mm
pully)
[  ]  [  ]  [  ]  [  ]   [a]_z_tensioner_x4_9mm.stl <- select one ^^^ (9mm
pully)
[  ]  [  ]               z_tensioner_bracket_a_x2.stl
[  ]  [  ]               z_tensioner_bracket_b_x2.stl
```

Z_Endstop

```
[  ]   nozzle_probe.stl
```

AB Drive Modules (page 38)

Gantry/Front_Idlers

```
[  ]   [a]_tensioner_left.stl
[  ]   [a]_tensioner_right.stl
[  ]   front_idler_left_lower.stl
[  ]   front_idler_left_upper.stl
[  ]   front_idler_right_lower.stl
[  ]   front_idler_right_upper.stl
```

Gantry/AB_Drive_Units

```
[  ]         [a]_cable_cover.stl
[  ]  [  ]   [a]_z_chain_retainer_bracket_x2.stl
[  ]         a_drive_frame_lower.stl
[  ]         a_drive_frame_upper.stl
[  ]         b_drive_frame_lower.stl
[  ]         b_drive_frame_upper.stl
```

Gantry (page 46)

Gantry/X_Axis/XY Joints

*Select one endstop_pod** , and one xy_joint_cable_bridge_* depending on your hardware kit_

```
[  ]   [a]_endstop_pod_hall_effect.stl <- select one vvv (hall effect XY
endstops)
[  ]   [a]_endstop_pod_microswitch.stl <- select one ^^^ (microswitch XY
```

```
endstops)
[  ]   [a]_xy_joint_cable_bridge_generic.stl <= select one vvv (generic
drag chain)
[  ]   [a]_xy_joint_cable_bridge_igus.stl    <= select one ^^^ (igus drag
chain)
[  ]   xy_joint_left_lower.stl
[  ]   xy_joint_left_upper.stl
[  ]   xy_joint_right_lower.stl
[  ]   xy_joint_right_upper.stl
```

Gantry

```
[  ]  [  ]  [  ]  [  ]   [a]_z_belt_clip_lower_x4.stl
[  ]  [  ]  [  ]  [  ]   [a]_z_belt_clip_upper_x4.stl
[  ]                     z_chain_bottom_anchor.stl
[  ]                     z_chain_guide.stl              <-- Not in CAD or
documentation
```

Afterburner (page 58)

Gantry/X_Axis/X Carriage

```
[  ]  [  ]   [a]_belt_clamp_x2.stl
[  ]         [a]_blower_housing_front.stl
[  ]         blower_housing_rear.stl
[  ]         hotend_fan_mount.stl
[  ]         probe_retainer_bracket.stl
[  ]         x_carriage_frame_left.stl
[  ]         x_carriage_frame_right.stl
[  ]         x_carriage_pivot_block.stl
```

Gantry/X_Axis/X Carriage/Printheads/E3D V6

Select only one printhead; this is for E3D

```
[  ]   printhead_front_e3dv6.stl
[  ]   printhead_rear_e3dv6.stl
```

Gantry/X_Axis/X Carriage/Printheads/Slice Mosquito

Select only one printhead; this is for Slice Mosquito

```
[  ]   printhead_front_mosquito.stl
[  ]   printhead_rear_mosquito.stl
```

Gantry/X_Axis/X Carriage/Printheads/TriangleLab Dragon

Select only one printhead; this is for Phaetus Dragon

```
[  ]   printhead_front_dragon.stl
[  ]   printhead_rear_dragon.stl
```

Gantry/X_Axis/X Carriage/Direct Feed

Select the chain anchor (generic or igus) that matches your drag chain choice

```
[  ]   [a]_connector_cover.stl
[  ]   [a]_guidler.stl
[  ]   [a]_latch.stl
[  ]   chain_anchor_generic.stl <-- select one vvv (generic drag chain)
[  ]   chain_anchor_igus.stl    <-- select one ^^^ (igus drag chain)
[  ]   extruder_body.stl
[  ]   extruder_motor_plate.stl
[  ]   latch_shuttle.stl
```

Belting Z Drive (page 78)

Gantry/Z_Joints

```
[  ]  [  ]  [  ]  [  ]   z_joint_lower_x4.stl
[  ]                     z_joint_upper_hall_effect.stl <-- if using hall
effect XY
[  ]  [  ]  [  ]  [  ]   z_joint_upper_x4.stl <-- use x3 if using hall
effect XY
```

LCD Module (page 82)

Electronics_Compartment/LCD_Module

```
[  ]   [a]_mini12864_case_hinge.stl
[  ]   mini12864_case_front.stl
[  ]   mini12864_case_rear.stl
[  ]   mini12864_spacer.stl
```

Skirts (page 86)

Electronics_Compartment/Plug_Panel

```
[  ]   plug_panel_filtered_mains.stl
```

Skirts

```
[  ]  [  ]   [a]_60mm_fan_blank_insert_x2.stl
[  ]  [  ]   [a]_belt_guard_a_x2.stl
[  ]  [  ]   [a]_belt_guard_b_x2.stl
[  ]  [  ]   side_fan_support_x2.stl
```

250

Use these skirts when printing a 250mm frame

```
[  ]  [  ]   front_rear_skirt_a_250_x2.stl
[  ]  [  ]   front_rear_skirt_b_250_x2.stl
[  ]  [  ]   side_skirt_a_250_x2.stl
[  ]  [  ]   side_skirt_b_250_x2.stl
```

300

Use these skirts when printing a 300mm frame

```
[  ]  [  ]   front_rear_skirt_a_300_x2.stl
[  ]  [  ]   front_rear_skirt_b_300_x2.stl
[  ]  [  ]   side_skirt_a_300_x2.stl
[  ]  [  ]   side_skirt_b_300_x2.stl
```

350

Use these skirts when printing a 350mm frame

```
[  ]  [  ]   front_rear_skirt_a_350_x2.stl
[  ]  [  ]   front_rear_skirt_b_350_x2.stl
[  ]  [  ]   side_skirt_a_350_x2.stl
[  ]  [  ]   side_skirt_b_350_x2.stl
```

Panels (page 94)

Panel_Mounting/Front_Doors

```
[  ]  [  ]  [  ]  [  ]   door_hinge_x4.stl
[  ]  [  ]               handle_a_x2.stl
[  ]  [  ]               handle_b_x2.stl
[  ]  [  ]               latch_x2.stl
```

Panel_Mounting

```
[  ]  [  ]  [  ]  [  ]
bottom_panel_clip_x4.stl
[  ]  [  ]
bottom_panel_hinge_x2.stl
[  ]  [  ]  [  ]  [  ]  [  ]  [  ]  [  ]  [  ]  [  ]  [  ]  [  ]  [  ]
corner_panel_clip_3mm_x12.stl  <-- 3mm no foam, 6mm w/foam
[  ]  [  ]  [  ]  [  ]
corner_panel_clip_6mm_x4.stl   <-- print either the 3mm or
[  ]  [  ]  [  ]  [  ]  [  ]  [  ]  [  ]  [  ]  [  ]  [  ]  [  ]  [  ]
midspan_panel_clip_3mm_x12.stl <-- the 6mm set
[  ]  [  ]  [  ]
midspan_panel_clip_6mm_x3.stl  <--
[  ]  [  ]
z_belt_cover_a_x2.stl
[  ]  [  ]
z_belt_cover_b_x2.stl
```

Spool Holder (page 102)

Spool_Management

```
[  ]   bowen_retainer.stl
[  ]   spool_holder.stl
```

Exhaust Filter (page 106)

Exhaust_Filter

```
[  ]          [a]_filter_access_cover.stl
[  ]  [  ]    [a]_exhaust_filter_mount_x2.stl
[  ]          exhaust_filter_grill.stl
[  ]          exhaust_filter_housing.stl
```

Electronics Mounting (page 112)

Electronics_Compartment/DIN_Brackets

There are a number of different brackets here depending on your electronics selection.

```
[  ]  [  ]          duet_duex_bracket_x2.stl
[  ]                lrs_psu_bracket_clip.stl
[  ]  [  ]  [  ]    pcb_din_clip_x3.stl
[  ]  [  ]          ramps_bracket_x2.stl
[  ]                raspberrypi_bracket.stl
[  ]                rs25_psu_bracket_clip.stl
[  ]  [  ]          skr_1.3_bracket_x2.stl
[  ]  [  ]          skr_mini_e2_bracket_x2.stl
[  ]  [  ]          skr_mini_e3_bracket_x2.stl
```